

Amendments to the Claims

IN THE CLAIMS:

Claim 1. (Currently Amended) Foamable compositions, comprising ~~consisting~~ of:

- A) 50-99.9% by weight of a chlorotrifluoroethylene (CTFE) polymer containing at least 80% by moles of CTFE; and
- B) 0.1-50% by weight of a nucleating agent;

wherein said foamable compositions do not contain any other foaming agents.

Claim 2. (Previously Presented) Foamable compositions according to claim 1, wherein the nucleating agent, is in the form of a fine powder, having average particle size lower than 50 micron and a melting temperature higher than 250 °C.

Claim 3. (Previously Presented) Compositions according to claim 1, wherein the nucleating agent is a tetrafluoroethylene (TFE) homopolymer or a copolymer of the tetrafluoroethylene (TFE) homopolymer having a second melting temperature higher than 250 °C.

Claim 4. (Previously Presented) Compositions according to claim 1, wherein the nucleating agent B) is a tetrafluoroethylene homopolymer (PTFE) having a number average molecular weight lower than 1,000,000.

Claim 5. (Currently Amended) Compositions according to claim [[1]] 3, wherein the TFE copolymers are selected from TFE copolymers with perfluoroalkylvinylethers wherein the alkyl is a C₁ – C₃, TFE copolymers with perfluorodioxoles or TFE copolymers with hexafluoropropene (FEP), optionally containing perfluoroalkylvinylethers.

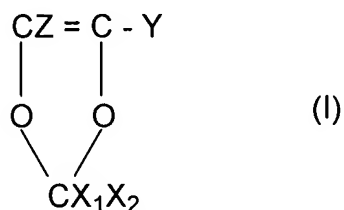
Claim 6. (Previously Presented) Compositions according to claim 1, wherein the nucleating agent is used in an amount from 5 to 30% by weight.

Claim 7. (Previously Presented) Compositions according to claim 1, wherein the nucleating agent B) is a tetrafluoroethylene homopolymer (PTFE), irradiated with gamma rays or with electron beam.

Claim 8. (Previously Presented) Compositions according to claim 1, wherein the polymer A) is formed by at least 90% by moles of CTFE.

Claim 9. (Previously Presented) Compositions according to claims claim 1, wherein the polymer A) is a CTFE copolymer with one or more comonomers selected from:

- perfluoroalkylvinylethers, wherein the alkyl is C₁ – C₃;
- dioxoles having formula:



wherein Y is equal to OR_f wherein R_f is a perfluoroalkyl having from 1 to 5 carbon atoms, or Y = Z as defined below; X₁ and X₂, equal to or different from each other, are -F or -CF₃; Z is selected from

-F, -H, -Cl;

- acrylic monomers having general formula:



wherein R₁ is a hydrogenated radical from 1 to 20 C atoms, C₁-C₂₀, alkyl, linear and/or branched, or cycloalkyl radical, or R₁ is H, wherein R₁ optionally contains: heteroatoms; one or more functional groups and double bonds;

- vinylidene fluoride (VDF) and/or tetrafluoroethylene (TFE).

Claim 10. (Previously Presented) A process to prepare molded articles and foamed coatings comprising the extrusion or thermoforming of the compositions of claim 1.

Claim 11. (Previously Presented) Molded articles and foamed coating obtained according to claim 10.

Claim 12. (Previously Presented) Articles and foamed coatings according to claim 11 having a void [[%]] percentage higher than 10% by volume, wherein the average cell sizes are lower than 100 micron.

Claim 13. (Original) Electric wires formed of a metal conductor and of a foamed coating according to claim 12.

Claim 14. (Previously Presented) The foamable compositions according to claim 2, wherein the average particle size is lower than 20 micron.

Claim 15. (Previously Presented) The compositions according to claim 4, wherein the nucleating agent B) has a number average molecular weight lower than 500,000.

Claim 16. (Previously Presented) The compositions according to claim 6, wherein the nucleating agent is used in an amount from 10 to 20% by weight.

Claim 17. (Previously Presented) The compositions according to claim 8, wherein the polymer A) is formed by at least 95% by moles of CTFE.

Claim 18. (Previously Presented) The compositions according to claim 9, wherein the perfluoroalkylvinylethers are perfluoropropylvinylether.

Claim 19. (Previously Presented) The compositions according to claim 9, wherein Y is equal to OR_f .

Claim 20. (Previously Presented) The compositions according to claim 9, wherein X_1 , X_2 and Z are $-F$ in formula (I).

Claim 21. (Previously Presented) The compositions according to claim 9, wherein R_f is one selected from the group consisting of $-CF_3$, $-C_2F_5$, and $-C_3F_7$.

Claim 22. (Previously Presented) The compositions according to claim 9, wherein the heteroatoms are selected from the group consisting of Cl, O, and N.

Claim 23. (Previously Presented) The compositions according to claim 12, wherein the void percentage is higher than 20% by volume.

Claim 24. (Previously Presented) The compositions according to claim 12, wherein the average cell sizes are lower than 60 micron.